LG ABS BM662

LG Chem Ltd. - Acrylonitrile Butadiene Styrene

Monday, September 1, 2025

General Information

Product Description

Description
BM662 is a blow molding ABS for spoilers

Key Features
Standard Purpose, High Heat Resistance, Paintability

Application
Spoiler

General		
Material Status	• Commercial: Active	
Availability	• Asia Pacific • Europe	• Latin America • North America
Features	• High Heat Resistance	• Paintable
Uses	• Automotive Applications	
Processing Method	• Blow Molding	

Properties

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity [1]	1.05	g/cm³	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ASTM D1238
Melt Volume-Flow Rate (MVR)	5.0	cm³/10min	ISO 1133
Molding Shrinkage			
Flow : 23°C, 3.20 mm, Injection Molded	0.40 to 0.70	%	ASTM D955
--	0.40 to 0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Yield, 23°C, 3.20 mm, Injection Molded [2]	44.0	MPa	ASTM D638
Yield	46.0	MPa	ISO 527-2
Tensile Elongation			
Break, 23°C, 3.20 mm, Injection Molded [2]	> 10	%	ASTM D638
Break	> 10	%	ISO 527-2
Flexural Modulus			
23°C, 3.20 mm, Injection Molded [3]	2150	MPa	ASTM D790
--	2050	MPa	ISO 178
Flexural Strength			
23°C, 3.20 mm, Injection Molded [3]	71.0	MPa	ASTM D790
--	73.0	MPa	ISO 178

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Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	8.0	kJ/m²	
23°C	23	kJ/m²	
Notched Izod Impact			
-30°C, 3.20 mm, Injection Molded	90	J/m	ASTM D256
-30°C, 6.40 mm, Injection Molded	80	J/m	ASTM D256
23°C, 3.20 mm, Injection Molded	270	J/m	ASTM D256
23°C, 6.40 mm, Injection Molded	250	J/m	ASTM D256
-30°C	9.0	kJ/m²	ISO 180
23°C	25	kJ/m²	ISO 180

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, 23°C, Injection Molded	101		ASTM D785
--	101		ISO 2039-2

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 6.40 mm, Injection Molded [4]	95.0	°C	ASTM D648
1.8 MPa, Unannealed	87.0	°C	ISO 75-2/A
Vicat Softening Temperature	104	°C	ISO 306 ASTM D1525 [5]

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	80 to 90	°C
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	230 to 250	°C
Mold Temperature	40 to 80	°C
Screw Speed	30 to 60	rpm

Notes

[1] 23°C

[2] 50 mm/min

[3] 15 mm/min

[4] Edgewise

[5] Rate A (50°C/h), Loading 2 (50 N)